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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/571,055	02/08/2007	Juichi Fukatani	Q93648	9072
23373 SUGHRUE MI	7590 04/04/200 ON. PLLC	EXAMINER		
2100 PENNSYLVANIA AVENUE, N.W.			NAKARANI, DHIRAJLAL S	
	SUITE 800 WASHINGTON, DC 20037		ART UNIT	PAPER NUMBER
			1794	
			MAIL DATE	DELIVERY MODE
			04/04/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/571,055	FUKATANI ET AL.				
Office Action Summary	Examiner	Art Unit				
	D. S. Nakarani	1794				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
Responsive to communication(s) filed on <u>08 Fee</u> This action is FINAL . 2b)⊠ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro					
Disposition of Claims						
4) Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-20 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on 07 March 2006 is/are: a Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction.	vn from consideration. r election requirement. r. a)⊠ accepted or b)⊡ objected to drawing(s) be held in abeyance. See	37 CFR 1.85(a).				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 3.07/06 & 5/31/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte				

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DETAILED ACTION

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 4. Claims 1-10 and 12-20 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Kobata et al (U. S. Patent 6,673,456 B1).

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Kobata et al disclose an interlayer comprising polyvinyl butyral resin, plasticizer, phosphate ester compound, acetylacetone and ITO particles having particle size of 35 nanometers, and the glass laminate with the interlayer (Example 1). Kobata et al also disclose claimed 2-ethylhexylic acid (i.e. 2-ethyl hexanoic acid) (Col. 11, lines 36-44). Kobata et al disclose surfactant such as sodium laurel sulfate (Col. 15, lines 55-57). Kobata et al do not specifically disclose claimed solubility parameter and claimed relative permittivity of surfactant. However Kobata et al disclose good humidity resistance of laminated (Table 11). Therefore claimed solubility parameter and claimed relative permittivity are deemed to be inherent properties of the surfactant used by Kobata et al. In an event, it is not an inherent properties of the claimed additives, it would have been obvious to a person of ordinary skill in the art at the time of this invention made to optimize humidity resistance by selecting additives which improve humidity resistance.

5. Claim 11 is rejected under 35 U.S.C. 102(b) as being anticipate by Kondo (U. S. Patent 5,830,568).

Kondo discloses a glass laminate comprising interlayer having aluminum oxide particles with up to 0.2 microns (i.e. up to 200 nanometers) particle size (Claim13). Kondo also disclose particles of silicon oxide, zirconium oxide etc. (Col. 3, lines 11-18 and col. 4, lines 13-34).

6. Receipt of Information Disclosure Statements filed March 07, 2006 and May 31, 2006 is acknowledged. The references recited on PTOL 1449 dated March 07, 2006 have been crossed-

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out since those references are recited on PTOL 1449 dated May 31, 2006 to prevent duplicate

recitation on the patent issued from this application.

7. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to D. S. Nakarani whose telephone number is (571) 272-1512. The

examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Rena Dye can be reached on (571) 272-3186. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/D. S. Nakarani/

D. S. Nakarani

Primary Examiner, Art Unit 1794

DSN

March 28, 2008.